

AMENDMENTS TO THE CLAIMS:

The following is a complete listing of the claims.

Serial No. 09/820,053
Response to Office Action Dated February 5, 2003

NO:66, SEQ ID NO:67, SEQ ID NO:68, SEQ ID NO:70, SEQ ID NO:71, SEQ ID NO:73, SEQ ID NO:74, SEQ ID NO:75, SEQ ID NO:77, SEQ ID NO:78, SEQ ID NO:80, SEQ ID NO:81, SEQ ID NO:84, SEQ ID NO:85, SEQ ID NO:86, SEQ ID NO:87, SEQ ID NO:90, SEQ ID NO:91, SEQ ID NO:92, SEQ ID NO:93, SEQ ID NO:103, SEQ ID NO:106, SEQ ID NO:108, SEQ ID NO:112, SEQ ID NO:115, SEQ ID NO:116, SEQ ID NO:126, SEQ ID NO:127, SEQ ID NO:128, SEQ ID NO:129, SEQ ID NO:131, SEQ ID NO:132, SEQ ID NO:137, SEQ ID NO:138, SEQ ID NO:139, SEQ ID NO:140, SEQ ID NO:141, SEQ ID NO:142, SEQ ID NO:143, SEQ ID NO:144, SEQ ID NO:145, SEQ ID NO:152, SEQ ID NO:159, SEQ ID NO:162, SEQ ID NO:163, SEQ ID NO:164, or SEQ ID NO:165.

- 8.-52. (Cancelled)
53. (New) The peptide of claim 1, further defined as SEQ ID NO:37, SEQ ID NO:38, SEQ ID NO:44, SEQ ID NO:59, SEQ ID NO:62, SEQ ID NO:76, SEQ ID NO:82, SEQ ID NO:83, SEQ ID NO:85, SEQ ID NO:88, SEQ ID NO:90, SEQ ID NO:91, SEQ ID NO:92, SEQ ID NO:98, SEQ ID NO:127, SEQ ID NO:129, SEQ ID NO:130, SEQ ID NO:132, SEQ ID NO:137, SEQ ID NO:139, SEQ ID NO:140, SEQ ID NO:142, or SEQ ID NO:143.
54. (New) The peptide of claim 1, further defined as SEQ ID NO:79, SEQ ID NO:89, SEQ ID NO:107, SEQ ID NO:110, SEQ ID NO:113, SEQ ID NO:114, and SEQ ID NO:153.
55. (New) The peptide of claim 1, wherein the peptide is 5 to about 15 amino acids in length.
56. (New) The peptide of claim 1, wherein the peptide is about 15 to about 20 amino acids in length.
57. (New) The peptide of claim 1, wherein the peptide is about 10 to about 15 amino acids in length.
58. (New) The peptide of claim 1, wherein the peptide is about 15 to 22 amino acids in length.
59. (New) An isolated peptide 23 amino acids in length comprising phenylalanine, leucine, alanine, and lysine residues, the peptide selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:49, SEQ ID NO:55, SEQ ID NO:56, and SEQ ID NO:64.

60. (New) An isolated peptide comprising at least three residues selected from the group consisting of phenylalanine, leucine, alanine, and lysine, wherein:
the peptide is 5 to 22 amino acids in length;
the first amino acid is valine; and
the peptide is at least about 80% the at least three residues selected from the group consisting of phenylalanine, leucine, alanine, and lysine.
61. (New) The peptide of claim 60, selected from the group consisting of SEQ ID NO:30, SEQ ID NO:32, SEQ ID NO:116, SEQ ID NO:141, SEQ ID NO:152, SEQ ID NO:155, SEQ ID NO:156, and SEQ ID NO:157.
62. (New) An isolated peptide 23 amino acids in length comprising at least three residues selected from the group consisting of phenylalanine, leucine, alanine, and lysine, wherein:
the first amino acid is valine; and
the peptide is selected from the group consisting of SEQ ID NO:15, SEQ ID NO:154, SEQ ID NO:159, SEQ ID NO:160, and SEQ ID NO:161.
63. (New) An isolated peptide 4 amino acids in length comprising at least three residues selected from the group consisting of phenylalanine, leucine, alanine, and lysine, wherein the peptide is SEQ ID NO:144.